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AOMedia Decoder

Q3 2021 Issue

On behalf of the AOMedia community, we mourn the loss of CoSMo Software CEO Dr. Alex Gouillard, better known as Dr. Alex and dedicate this edition of the AOMedia Decoder to him.

Dr. Alex will be remembered for his significant contributions to the AOMedia community (e.g., the RTP specification testing framework) and through his promotion of AOMedia throughout the industry. His upbeat personality made him a pleasure to work with, and he will be missed.

Read Dr. Alex's AOMedia [member spotlight interview](#) with CoSMo that highlights the amazing work he led.

Hello,

As we head toward the mid-point of 2021, we are seeing an increase in AV1 adoption. Not only are consumers now using more up-to-date devices, but they expect that streaming video and calls will be at their fingertips across all devices. Those service providers still using previous technology generations are now looking to AV1 to innovate and tap into the exponential growth of streaming video and video conferencing. This has resulted in increasingly [more products and services adopting AV1](#).

These trends confirm our decision to focus on developing the best technology for streaming video, setting the stage for further adoption of AV1. We expect to see more hardware devices, particularly mobile devices, implementing AV1 as more mobile chips become available. Integrated devices are very important for emerging markets and provide a popular way to add AV1 support in hardware.

AOMedia Momentum

AOMedia welcomed new member [Western Digital](#), which will bring their world-leading storage technology to the Alliance. We hosted our online [AOM Summit 2021](#), co-hosted by AOMedia and LiveVideoStack, focused on multimedia technology. With over a dozen presentations, the Summit shared innovative practices and academic research to promote AV1 as part of the next generation of video codec standards to provide users with a more complex and immersive multimedia experience.

Regards,

Matt Frost
AOMedia Chair, Board of Directors
Director at Google



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AOMedia and AV1 in the News

- [More Companies Are Using the Open Source AV1 Video Codec](#) - Edge AI and Vision Alliance

- [Chrome on desktop now features an AV1 encoder](#) that's optimized for video conferencing with WebRTC - *9to5Google*
- [Watch AV1 YouTube or Netflix videos](#) with Mecool KT1's added DVB-T2 TV tuner - *CNX Software*
- [The second-generation Argos chip adds AV1 support](#) to further enhance YouTube's capabilities, a major incentive for phone makers to add support - *CNET*
- FFmpeg 4.4 Released With [AV1 VA-API Decoder, SVT-AV1 Encoding](#) - *Phoronix*
- 7 compelling Google Chrome 90 features that change browsing for the better, [include AV1 for higher-quality videos, video conferencing, and faster video loading times](#) - *MakeUseOf*
- iMedia and Synaptics team up for swift [Android 11 deployments including the next generation AV1 video decode format](#) - *iMedia*
- Key features that will be available on [Nokia devices running Android 12 include AVIF image support](#) - *XDA Developers*
- For those making use of 10-bit [AV1 content and using dav1d as the performant CPU-based decoder](#), the performance on modern Intel and AMD processors is about to be a heck of a lot better - *Phoronix*
- Cloudinary launched Cloudinary Labs to [support and develop the future of next-gen image and video codecs like AVIF and AV1](#) - *Cloudinary*

AOMedia Member AV1 News

The following is the latest member news.

- **Allegro DVT** announced the availability of its [AL-D320 video decoder semiconductor IP core](#) that supports AV1.
- **AMD** announced [AMD Radeon Software Adrenalin 21.4.1](#) with **Microsoft**® PlayReady AV1 Support.
- **CoSMo**'s Media Server Tech Lead, Millicast's Principal Engineer and Solution Architect, and founder and main developer for Meedoze technology Sergio Garcia Murillo explored enabling the next generation of live video architectures with [Real-Time AV1 SVC](#) on WebRTC Live.
- **Google** has developed a [custom chip, Argos, with AV1 support](#), designed to deliver the best video quality and keep broadband or mobile monthly data caps low.
- **Google**'s next-generation [chip for YouTube](#) is adding in AV1 for more efficient compression.
- **Vimeo** expands its [AV1 coverage with AVIF](#) for images to improve page load times for people with compatible browsers.

AV1 Resources

The following are AOMedia member AV1 dedicated resource pages.

- **AOMedia Summit:** <https://aom-summit.livevideostack.com/>
- **Intel:** <https://github.com/OpenVisualCloud/SVT-AV1>
- **Mozilla:** <https://research.mozilla.org/av1-media-codecs/>
- **Visionular:** <https://www.visionular.com/#portfolio>
- **Vimeo Staff Picks** channel will be delivered using the AV1 codec on supported platforms (including the recent versions of Chrome and Firefox). Check out [David Jervidal](#)'s Staff Picked film "Capture the North," which is just one example of one of the many videos that will be leveraging AV1.
- [Watch the IBC AV1 Panel](#) featuring Amazon, Facebook, Google, Intel, Netflix and Tencent on-demand.



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